CURRICULUM VITAE

Evaggelos Pantelis, PhD
Medical Physicist

Date of Birth:	20/03/1977
Home Address:	Souliou 83A, Petroupoli, 132 31, Athens, Greece.
Office Address:	University of Athens, Physics Dept., Nuclear and Particle Physics Sec., Panepistimioupolis, Ilisia, 157 71 Athens, Greece
Phone Number:	+30-210-50 21 939 (home), +30-210-72 76 944 (office)
Fax:	+30-210-72 76 987
email:	vpantelis@phys.uoa.gr

Academic Studies

2002-2005: National and Capodestrian University of Athens, Physics Dept., Nuclear and Particle Physics Sec. PhD student. Subject of doctorate: Development of analytical and experimental techniques in dosimetry of radiotherapy applications.

1999-2002: National and Capodestrian University of Athens, Medical School. MSc in Medical Physics (grade awarded 8.5/10). MSc thesis: Analytical dosimetry using the Sievert integral in interstitial brachytherapy with ^{192}Ir sources.

1994-1999: National and Capodestrian University of Athens, Physics Dept. First Diploma in Physics (grade awarded: 7.9/10). Diploma thesis: Measurements of the radon concentration in Greek houses using CR-39 detectors.

Experience

2006 - present Medical Physicist in the Cyber-Knife department of the "Iatropolis – Magnitiki Tomographia" clinic

2002 - present Research assistant (under paid contract) of the Medical and Health Physics Research Group in the Nuclear and Particle Physics Sec., Physics Dept., National and Capodestrian University of Athens.

2003 - 2004: Medical Physicist in the Medical Physics and Engineering Department of the Offenbach Clinic, Germany within the framework of an EU Marie Curie Fellowship.

2000 - 2001: One year training in the fields of Radiotherapy, Diagnostic Radiology, and Nuclear Medicine at Areteion University Hospital, Athens, Greece.

Languages

Grade B Cambridge Lower Certificate in English

Computer Skills

WINDOWS operating systems, scientific software development using VISUAL FORTRAN, scientific analysis using Matlab.

Research Activities

A. RESEARCH PROGRAMS

- IRAKLEITOS research project founded by the Greek Secretariat Research and Technology: "Development of computational and experimental dosimetry methods for contemporary radiotherapy applications" (2002-2005)
- Two research programs for the dosimetry of new brachytherapy radioactive sources prior to their introduction to clinical practice founded by the vendors

(Nucletron B. V., Venendal, The Netherlands and Varian Oncology Systems, Palo Alto, USA).

B. PUBLICATIONS IN INTERNATIONAL JOURNALS

1. Baras P, Seimenis I, Sandilos P, Vlahos L, Bieganski T, Georgiou E, **Pantelis E**, Papagiannis P and Sakelliou L, "An evaluation of the TSE MR sequence for time efficient data acquisition in polymer gel dosimetry of applications involving high doses and steep dose gradients," Med. Phys., **32**, Pages 3339-3345 (2005).

2. **Pantelis E**, Lymperopoulou G, Papagiannis P, Sakelliou L, Stiliaris E, Sandilos P, Seimenis I, Kozicki M and Rosiak J M, "Polymer gel dosimetry close to an 125I interstitial brachytherapy seed," Phys.Med.Biol., **50**, Pages 4371 – 4384 (2005).

3. **Pantelis E**, Papagiannis P, Karaiskos P, Angelopoulos A, Anagnostopoulos G, Baltas D, Zamboglou N and Sakelliou L, "The effect of finite patient dimensions and tissue inhomogeneities on dosimetry planning of ^{192}Ir HDR brachytherapy: a Monte Carlo dose verification study, " Int. J. of Radiat. Oncol., **61**, Pages 1596-1602 (2005).

4. Lymperopoulou G, **Pantelis E**, Papagiannis P, Rozaki-Mavrouli E, Sakelliou L, Baltas D and Karaiskos P, "A Monte Carlo dosimetry study of vaginal ^{192}Ir brachytherapy applications with a shielded cylindrical applicator set," Med. Phys., **31**, Pages 3080-3086 (2004).

5. **Pantelis E**, Karlis A K, Kozicki M, Papagiannis P, Sakelliou L and Rosiak M J, "Polymer gel water equivalence and relative energy response with emphasis on low photon energy dosimetry in brachytherapy," accepted for publication in Phys. Med. Biol. (2004).

6. Anagnostopoulos G, Baltas D, Karaiskos P, **Pantelis E**, Papagiannis P and Sakelliou L, "The effect of patient inhomogeneities in oesophageal Ir-192 HDR brachytherapy: a Monte Carlo and an analytical dosimetry study," Phys. Med. Biol., **49**, 2675 – 2685 (2004).

7. **Pantelis E**, Papagiannis P, Anagnostopoulos G, Baltas D, Karaiskos P, Sandilos P and Sakelliou L, "Evaluation of a TG-43 compliant analytical dosimetry model in clinical ^{192}Ir HDR brachytherapy treatment planning and assessment of the significance of source position and catheter reconstruction uncertainties", Phys. Med. Biol. **49**, 55-67 (2003).

8. Anagnostopoulos G, Baltas D, Karaiskosc P, **Pantelis E**, Papagiannis P and Sakelliou L, "An analytical dosimetry model as a step towards accounting for inhomogeneities and bounded geometries in ^{192}Ir brachytherapy treatment planning," Phys. Med. Biol., **48**, 1625 – 1647 (2003).

9. Papagiannis P, Angelopoulos A, **Pantelis E**, Karaiskos P, Shimizu Y and Sakelliou L, "Monte Carlo dosimetry of ^{60}Co HDR sources," Med. Phys. **30**, 712 – 721 (2003).

10. Karaiskos P, Angelopoulos A, **Pantelis E**, Papagiannis P, Sakelliou L, Kouwenhoven E, Baltas D, "Monte Carlo dosimetry of a new ^{192}Ir pulsed dose rate brachytherapy source," Med. Phys., **30**, 9-16 (2003).

11. Papagiannis P, Angelopoulos A, **Pantelis E**, Sakelliou L, Baltas D, Karaiskos P, Sandilos P, Vlachos L, "Dosimetry comparison of ^{192}Ir Sources," Med. Phys. **29**, 2239-2246 (2002).

12. **Pantelis E**, Baltas D, Dardoufas K, Karaiskos P, Papagiannis P, Rosaki H, Sakelliou L, "On the dosimetric accuracy of a Sievert integration model in the proximity of Ir-192 HDR sources," Int. J. of Radiat. Oncol. **53**, 1071-1084 (2002).

13. Kipouros P, Anagnostopoulos G, Angelopoulos A, Baltas D, Baras P, Drolapas A, Karaiskos P, **Pantelis E**, Papagiannis P, Sakelliou L, Seimenis I, "Dosimetric calculations and VIPAR polymer gel dosimetry close to the microSelectron HDR," Zeit. Med. Physik, **12**, 252-259 (2002).

14. Likoka E, Angelopoulos A, Baras P, Karaiskos P, **Pantelis E**, Sakelliou L, Dimitriou P, "Bladder Wall dosimetry for I-125 Administered Activities", Radiat. Prot. Dos., **95**, 106-116 (2001).

C. ANNOUNCEMENTS IN INTERNATIONAL CONFERENCES

1. **Pantelis E**, Baltas D, Georgiou E, Karaiskos P, Lymperopoulou G, Papagiannis P, Sakelliou L, Seimenis I, Stiliaris E, "Dose characterization of the new Bebig IsoSeed I25.S17 using polymer gel and MRI," (ITBS 2005)

2. Lymperopoulou G, Papagiannis P, Sakelliou L, Karaiskos P, **Pantelis E**, Przykutta A and Baltas D, "Monte Carlo and Thermolumiscence dosimetry of the new IsoSeed® model I25.S17 ^{125}I interstitial brachytherapy seed", (ICMP 2005)

3. Anagnostopoulos G, Baltas D, Karaiskos P**, Pantelis E**, Papagiannis P and Sakelliou L, "A simple analytical dosimetry model for 192Ir brachytherapy treatment planning as a step towards incorporating inhomogeneity corrections," 8th EFOMP congress and 30th NVKF annual scientific meeting, Netherlands, 20-23 May, 2003 .

4. Papagiannis P, Karaiskos P, Likoka E, **Padelis E**, Sakelliou L, Baltas D, "Comparison of ^{192}Ir HDR sources dosimetry for brachytherapy and intravascular brachytherapy applications," European Congress of Med. Phys. and Clinical Engineering, Belfast, U.K., 2001, Physica Medica, Volume XVII, N. 3, 2001, Page 202